Curriculum Vitae

Prof. Dr. Frank A Ewert

General Information

Address	Leibniz Centre of Agricultural Landscape Research (ZALF), D-15374 Müncheberg, Germany
Contact	+49 (0)33432 82 200; frank.ewert@zalf.de
Current positions	Scientific Director of the Leibniz Centre of Agricultural Landscape Research, Müncheberg, Germany (ZALF, www.zalf.de)
	Professor of Crop Science (W3) and Head of Crop science Group, University of Bonn, Germany (https://www.lap.uni-bonn.de/)
Academic titles	PhD (Dr. agr.), MSc (Dipl.-Agr.-Ing.)

Academic and Scientific degrees

1988	Plant Production, Rostock University, Agricultural Engineer/ Dipl.-.Agr.-.Ing.
1993	Plant Production, Rostock University, PhD / Dr. agr.

Professional positions

Since 2016	Scientific Director of Leibniz Centre of Agricultural Landscape Research (ZALF), Müncheberg, Germany
Since 2008	Full Professor of Crop Science (W3), Institute of Crop Science and Resource Conservation INRES), University of Bonn, Germany
2002 – 2008	Senior Scientist, Department of Plant Sciences, Plant Production Systems Group, Wageningen University, The Netherlands
1995 – 2002	Assistant and Associate Research Professor, Department of Agricultural Sciences, Section Agroecology, Copenhagen University (formerly The Royal Veterinary and Agricultural University), Denmark
1992 – 1994	Higher Scientific Officer (Crop Modeller/Physiologist), IACR-Long Ashton, Department of Crop and Environmental Sciences, Section Crop Ecology and Management, University of Bristol, United Kingdom
1988 – 1992	Research assistant (PhD student), Institute of Agronomy and Crop Science, University of Rostock, Germany

Other scientific and advisory activities

Since 2020	Member of Task Force “Klimawandel und Politik” of the German “Allianz der Wissenschaftsorganisationen”
Since 2020	Spokesperson of the Consortium on National Research Data Infrastructure for Agriculture (NFDI4Agri, https://www.nfdi4agri.de)
Since 2020	Member of the Scientific Group of the UN Secretary-General’s 2021 Food Systems Summit (https://www.un.org/en/food-systems-summit)

2020	Co-Chair of the International Crop Modelling Symposium, iCROPM2020, Montpellier, 3-5 February 2020 (https://www.icropm2020.org/)
2019 – 2020	President of Scientific Evaluation Board of the French Agence nationale de la recherche (ANR) Research Programme on "Investments for the Future – Alternative crop production and protection"
Since 2019	Member of the International Advisory Board of the Graduate School for Production Ecology & Resource Conservation (PE&RC), Wageningen University and Research, The Netherlands (https://www.pe-rc.nl/)
Since 2019	Member of the International Advisory Board of the "Soil Mission Support" (SMS).
Since 2019	Chair of the Supervisory Board (Konsortialrat) of Research Programme LIL (Land-Innovation Lausitz (https://land-innovation-lausitz.de/)
Since 2019	Member of the Steering Board and Principle Investigator of the DFG Excellence Cluster PhenoRob (http://www.phenorob.de/)
Since 2018	Chair of the Scientific Advisory Board of EU FACCE JPI MACSUR knowledge Hub (https://www.faccejpi.com/About-Us/Scientific-Advisory-Board)
2018	Chair of the International Conference Landscape 2018, 13th-15th March 2018 (www.land2018.eu)
2017 – 2018	Vice-Chair of the Scientific Advisory Board of EU FACCE JPI MACSUR knowledge Hub (https://www.faccejpi.com/About-Us/Scientific-Advisory-Board)
Since 2017	Editorial Board member, Socio-Environmental Systems Modeling (SESMO)
2016	Chair of the International Crop Modelling Symposium, Berlin, 15-17 March 2016 (http://communications.ext.zalf.de/sites/crop-modelling/SitePages/iCROPM2016.aspx)
2015 – 2016	Director INRES (Institut für Nutzpflanzenwissenschaften und Ressourcenschutz), University of Bonn
Since 2015	Member of the Editorial Board, Nature Scientific Reports
Since 2014	Member Expertenbeirat des BMBF für Forschungsbereich "Agrarsysteme der Zukunft" (http://agrarsysteme-der-zukunft.de/index.php?cID=140)
Since 2014	Co-Chair of expert working group on plant modelling within the Wheat initiative (http://www.wheatinitiative.org/activities/expert-working-groups/wheat-plant-and-crop-modelling
2013 – 2014	Speaker of DFG SFB (Sonderforschungsbereich) initiative "Scales of Variability
Since 2012	Member of Steering Committee of EU FACCE JPI MACSUR knowledge Hub
2012 – 2017	Leader of the Crop Modelling Theme of MACSUR (http://macsur.eu/)
Since 2011	Leader of scaling and aggregation team of global AgMIP (http://www.agmip.org/)
Since 2010	Co-leader of wheat modelling team in global AgMIP
2010 – 2016	Co-Editor-in-Chief, Field Crops Research
Since 2010	Member of the Editorial Board, Field Crops Research
Since 2007	Member of the Editorial Board, European Journal of Agronomy
2002 – 2015	Member of the Editorial Board, Agriculture, Ecosystems and Environment

Research awards/recognitions

2020	Highly Cited Researcher 2020 (Agricultural Sciences, Web of Science)
2020	Nominee for Group of Chief Scientific Advisors of the European Commission
2019	Highly Cited Researcher 2019 (Agricultural Sciences, Web of Science)
2018	Highly Cited Researcher 2018 (Agricultural Sciences, Web of Science)
2017	Highly Cited Researcher 2017 (Agricultural Sciences, Web of Science)
2016	Highly Cited Researcher 2016 (Agricultural Sciences, Web of Science)
2012	Targeted Call for a Full Professor/Chair in Crop Science and Food Security, University of Reading, United Kingdom (declined)
2002	Call for a Full Professor/Chair (C4), Ecological Agriculture, Technical University Munich, Germany (declined)
2000	Research Award for Foreign Specialists administered by the National Institute of Agro-Environmental Sciences, Japan.

Selected recent publications

Google Scholar: https://scholar.google.de/citations?user=MThlD8oAAAAJ&hl=de

Asseng, S., **Ewert, F.**, Martre, P., Rötter, R.P., Lobell, D.B., et al., 2015. Rising temperatures reduce global wheat production. Nature Climate Change 5, 143-147.

Ewert, F., Rötter, R.P., Bindi, M., Webber, H., Trnka, M., et al., 2015. Crop modelling for integrated assessment of risk to food production from climate change. Environmental Modelling and Software 72, 287-303.

Ewert, F., van Ittersum, M.K., Heckelei, T., Therond, O., Bezlepkina, I., Andersen, E., 2011. Scale changes and model linking methods for integrated assessment of agri-environmental systems. Agriculture, Ecosystems & Environment 142:6-17.

Ewert, F., M. D. A. Rounsevell, I. Reginster, M. J. Metzger, and R. Leemans. 2005. Future scenarios of European agricultural land use: I. Estimating changes in crop productivity. Agriculture, Ecosystems & Environment 107:101-116.

Hoffmann, H., G. Zhao, S. Asseng, M. Bindi, C. Biernath, J. Constantin, E. Coucheney, R. Dechow, L. Doro, H. Eckersten, T. Gaiser, B. Grosz, F. Heinlein, B. T. Kassie, K. C. Kersebaum, C. Klein, M. Kuhnert, E. Lewan, M. Moriondo, C. Nendel, E. Priesack, H. Raynal, P. P. Roggero, R. P. Rötter, S. Siebert, X. Specka, F. Tao, E. Teixeira, G. Trombi, D. Wallach, L. Weihermüller, J. Yeluripati, and **F. Ewert**. 2016. Impact of spatial soil and climate input data aggregation on regional Yield Simulations. PLoS ONE 11.

Wang, E., Martre, P., Zhao, Z., **Ewert, F.**, Maiorano, A., et al., 2017. The uncertainty of crop yield projections is reduced by improved temperature response functions. Nature Plants 3.

Webber, H., G. Lischeid, M. Sommer, R. Finger, C. Nendel, T. Gaiser, and **F. Ewert**. 2020. No perfect storm for crop yield failure in Germany. Environmental Research Letters 15:104012.

Webber, H., **Ewert, F.**, Olesen, J.E., Müller, C., Fronzek, S., et al., 2018. Diverging importance of drought stress for maize and winter wheat in Europe. Nature Communications 9.

Zhao, C., B. Liu, S. Piao, X. Wang, D. B. Lobell, Y. Huang, M. Huang, Y. Yao, S. Bassu, P. Ciais, J. L. Durand, J. Elliott, **F. Ewert**, I. A. Janssens, T. Li, E. Lin, Q. Liu, P. Martre, C. Müller, S. Peng, J. Peñuelas, A. C. Ruane, D. Wallach, T. Wang, D. Wu, Z. Liu, Y. Zhu, Z. Zhu, and S. Asseng. 2017. Temperature increase reduces global yields of major crops in four independent estimates. Proceedings of the National Academy of Sciences of the United States of America 114:9326-9331.

Zhao, G., S. Siebert, A. Enders, E. E. Rezaei, C. Yan, and **F. Ewert**. 2015. Demand for multi-scale weather data for regional crop modeling. Agricultural and Forest Meteorology 200:156-171.